

Revising the CCMP for the Delaware Estuary







Connecting people, science, and nature for a healthy Delaware River and Bay





The Delaware Estuary

Over 6,000 sq miles

6.7 million people

- 7% of PA (35% of population

26% of NJ

► 50% of DE







Our Vision

Our Values

Working together for clean water, thriving fish and wildlife, and abundant recreational activities in and around the tidal Delaware River and Bay to support communities and a robust economy

- Science
- Collaboration
- Innovation
- Balance
- Strategic Investment

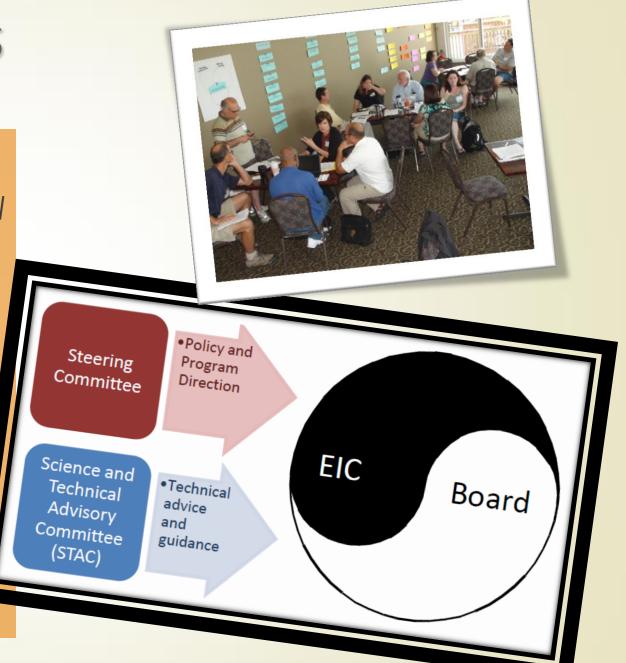






Qur Role & Partners

- Delaware Department of Natural Resources & Environmental Control
- New Jersey Department of Environmental Protection
- Pennsylvania Department of Environmental Protection
- Philadelphia Water
- Delaware River Basin Commission
- U.S. Environmental Protection Agency
 - And many more!





Our CCMP: Engaging People

























Qur CCMP: Science & Data





State of the Delaware Estuary 2012 Pris special

his special issue of New Action of Partnery Memory Delaware Estuary Delaware Estuary 2012 and the 40th anniversary of the anniversary of the without which the without which the hirring natural resource it is today resource it is today would not have

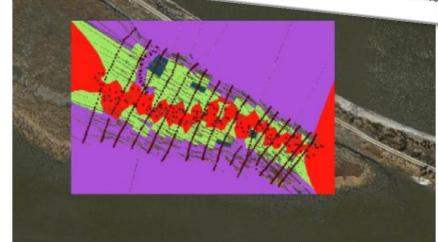
been possible.
From the beginning of time,
ning of time,
numans have been
humans have been
drawn to water for
basic survival, natbasic survival, natural beauty, and
ural beauty, with
thiving
civilizations. With

more than half of the population in the United States living in coastal areas, it is hard togoto that waterways are central to our fives. The Delaviese Estuary is a unifing economic and cultural force in our region, providing a sense of common identity across these states and hundreds of municipalities.

Yes, the Delaware Estuary is many things, its rivers, creeks, and bays provide us with sources of food, transportation, energy, eccepation, communication, and jobs. Scientists and economists have developed ways to measure this "netural capital" in dollars and cents
and estimate
that the business
wase Estury's
natural contributes
contributes
contributes
over \$1.0 billion
of value to our
felion annually
supporting over
half a million
half a millio

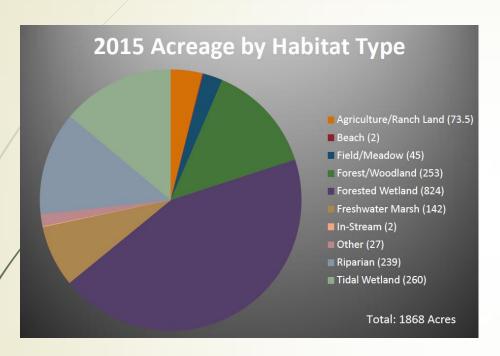
Partnership for the Deleware Estuary's (PDE) work as a National Statury Program is to protect and enhance the natural values of the Deleware by onable it the month and the productive resource of its kind. So every three to the years, we work with selectishs and experts to take a comprehensive look track the collective progress we are making with our partners toward the peaks outlined in the Comprehensive Conservation and Management Plan for the Deleware Estuary.

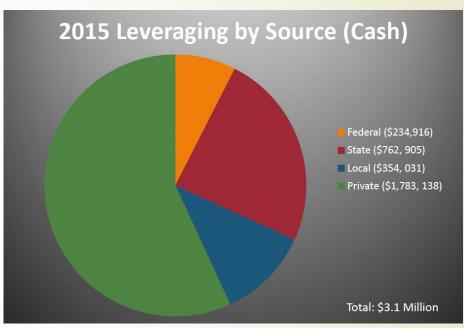
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Qur CCMP: Land Management

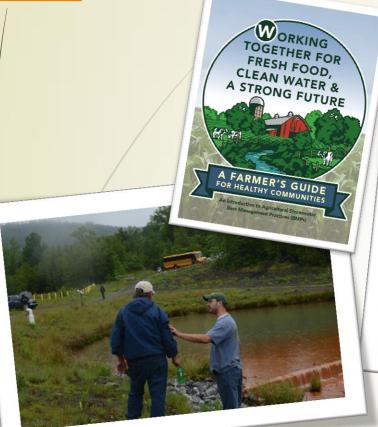




Over 43,000 acres and \$180 million leveraged to protect and restore the Delaware Estuary since 2006



Qur CCMP: Clean Water





Nearly 45 projects to reduce pollution from abandoned mines

Over 200 project to reduce stormwater runoff pollution (many of which also engage communities and schools)



Over 175 projects to reduce polluted runoff from farms

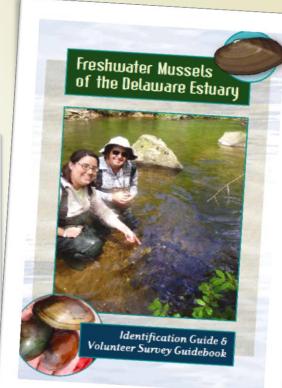
WATER

CONSERVATION



Our CCMP: Living Resources





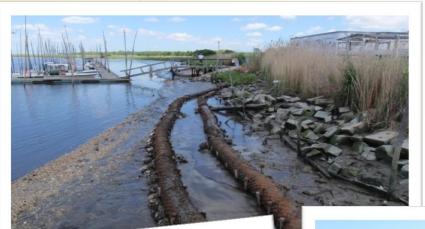


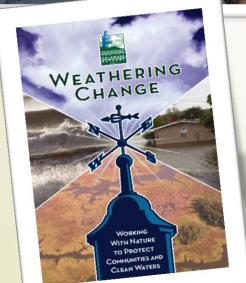




A CCMP for the Next 20 Years:

Climate Change











A CCMP for the Next 20 Years:

New Technology



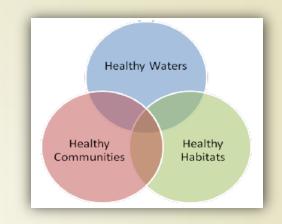








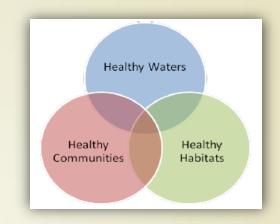
A CCMP for the Next 20 Years: What do you think?



Healthy Waters Goals		
Toxics	 Reduce total loads of PCBs Improve fish consumption advisories as a result of reduced toxic loads in fish 	
Nutrients	 Measure improvements from nutrient reductions in at least one estuary end-point (like wetlands or shellfish) Implement nutrient-reducing BMPs every year, in every major watershed 	
Flow	 Achieve and maintain flow at benchmarks for drinking water and the ecology under changing watershed conditions 	



A CCMP for the Next 20 Years: What do you think?



	riedility Communics Godis		
Healthy Growth	 Restore vacant urban waterfronts (with access, wetlands) Take action to increase resilience in river/bay front communities 		
Public Access	 Sustain and enhance access to the bay and improve access to the river Increase protected land with public access 		
Public Engagement	 Increase PDE web visits, downloads, and newsletters subscriptions 		

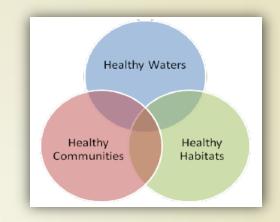
metro areas and watershed

Engage citizen science volunteers and stewards in major

Healthy Communities Goals



A CCMP for the Next 20 Years: What do you think?



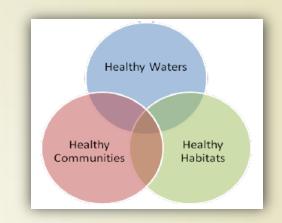
Healthy	Habitats Goals
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	Wetlands	 Limit loss of tidal wetlands Measure and maintain tidal wetland health No net loss of non-tidal wetlands
	Forests	 Stem forest loss basin-wide Identify and protect high priority forests
	Fish and Shellfish	 Maintain or increase oyster beds and productivity Measure and improve abundance and habitat for freshwater mussels, spawning horseshoe crabs, iconic fish like sturgeon, and nursery habitat for fish and crabs. Restore fish passage



A CCMP for the Next 20 Years:

Revision Process



Early 2016: Engage Experts and Contractors Late 2016:
Begin
Drafting
Actions with
Expert Input

Mid-2017: Develop Draft Actions into a Plan 2018: Finalize and Approve Plan













Mid-2016: Seek Initial Public Input Early 2017: Introduce Draft Actions at Summit Late 2017: Post Plan for Public Comment

Questions?

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